

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A method for providing and updating customized health care information to an individual based on ~~the genome of that individual, the genome taken from a biological sample of the individual~~ a partial DNA sequence isolated from that individual, comprising:

~~sequencing said genome into its DNA sequence~~ submitting a partial DNA sequence isolated from the individual to which customized health care information is to be provided to a customized healthcare information provider;

~~interpreting~~ analyzing said DNA sequence, analysis including comparing the partial DNA sequence to a plurality of DNA fragments stored on a database for identifying a plurality of medical conditions, each DNA fragment included within the plurality of DNA fragments being associated with at least one of the medical conditions included within the plurality of medical conditions;

~~searching for at least one medical condition associated with said genome;~~

~~archiving information relating to the existence of said condition~~ at least one of the medical conditions included within the plurality of medical conditions in a storage device;

~~making information relating to the existence of said at least one of the medical conditions~~ included within the plurality of medical conditions available to said individual;

~~tracking for additional information relating to said at least one of the medical conditions~~ included within the plurality of medical conditions; and

~~making said additional information accessible by said individual when available.~~

2. (canceled)

3. (currently amended) The method of claim 1, further comprising archiving said ~~interpretation~~ analysis of said DNA sequence.

4. (currently amended) The method of claim 3, further comprising updating said ~~searching~~ analysis for at least one additional medical condition associated with said DNA sequence, updating being performed each time a DNA fragment is submitted to the database.

5. (original) The method of claim 4 wherein said updating comprises tracking discoveries of genetic variations associated with said at least one additional medical condition.

6. (currently amended) The method of claim 5, wherein said tracking discoveries of genetic variations associated with said at least one additional medical condition is implemented electronically.

7. (original) The method of claim 5 further comprising making information of said discoveries available to the individual.

8. (currently amended) The method of claim 1, further comprising making said ~~interpretation~~ analysis of said partial DNA sequence accessible for future analysis.

9. (canceled)

10. (currently amended) The method of claim 1, wherein said additional information relating to said at least one medical condition comprises measures for the prevention, diagnosis, evaluation and treatment of said condition.

11. (original) The method of claim 1 wherein said tracking is implemented electronically.

12. (original) The method of claim 1 further comprising archiving said additional information.

13. (currently amended) The method of claim 1, further comprising communicating said additional information relating to said at least one medical condition to a health specialist.

14. (currently amended) The method of claim ~~11~~ 13, further comprising receiving an analysis of said additional information relating to said at least one medical condition from the health specialist.

15. (original) The method of claim 1 wherein said making said information accessible comprises providing the individual electronic access to said information in said storage device.

16. (original) The method of claim 1 further comprising receiving personal data from the individual and archiving said personal data, wherein said tracking is adjusted to additionally retrieve information related to said personal data.

17. (currently amended) A method for providing and updating customized health care information to an individual based on ~~the genome of that individual, the genome taken from a biological sample of the individual~~ a partial DNA sequence isolated from that individual, comprising:

~~sequencing said genome into its DNA sequence~~ submitting a partial DNA sequence isolated from the individual to which customized health care information is to be provided to a customized healthcare information provider;

archiving said partial DNA sequence;

interpreting said partial DNA sequence to identify medical conditions associated with said ~~genome~~ partial DNA sequence, interpreting including comparing said partial DNA sequence with a plurality of DNA sequence fragments known to be diagnostic of medical conditions;

updating said interpretation of said partial DNA sequence, updating being performed each time a DNA sequence fragment known to be diagnostic of at least one medical condition is identified;

~~archiving said conditions~~ upon detection of a DNA sequence fragment known to be diagnostic of at least one medical condition within the submitted partial DNA sequence, such detection is archived in a storage device;

informing said individual of ~~said conditions~~ the detected DNA sequence fragment;

tracking information related to ~~said conditions~~ the detected DNA sequence fragment, such information including prevention and treatment of the specified medical condition; and

making said information including prevention and treatment of the at least one medical condition available to said individual.

18. (canceled)

19. (new) A method for providing and updating customized health care information to an individual based on a partial DNA sequence isolated from that individual, comprising:

submitting a partial DNA sequence isolated from the individual to which customized health care information is to be provided to a customized healthcare information provider;

entering the partial DNA sequence into a database, the database including a plurality of DNA sequence fragments associated with a plurality of medical conditions;

comparing the partial DNA sequence to the plurality of DNA sequence fragments stored on the database;

archiving the results of the to a storage device;

providing information relating to the comparison results to the individual;

updating the comparison results, updating being performed each time a DNA fragment is submitted to the database; and

when a DNA sequence included within the plurality of DNA sequence fragments is detected within the submitted partial DNA sequence, additional information relating to the comparison results is tracked and provided to the individual by the customized healthcare information provider.

20. (new) The method of claim 19, wherein the tracking of additional information relating to the comparison results includes prevention, evaluation, and treatment of at least one medical condition associated with the detected DNA sequence fragment.

21. (new) The method of claim 19, further comprising providing comparison results to a health specialist.

22. (new) The method of claim 19, wherein information relating to the comparison results is provided to the individual via a communication network.

23. (new) The method of claim 19, wherein the submitting of a partial DNA sequence isolated from the individual to which customized health care information is to be provided to a customized healthcare information provider is via a communication network.